

## CLAIMS

I claim:

- 1 1. A monitoring system for a luminaire, comprising:
  - 2 a sensing unit attached to the luminaire so that the sensing unit can measure the electrical
  - 3 operating characteristics of the luminaire;
  - 4 a control unit operatively coupled to the sensing unit to receive measurements from the
  - 5 sensing unit;
  - 6 a monitor operatively coupled to the control unit to display an indication of the operative
  - 7 status of the luminaire.
- 1 2. The monitoring system of Claim 1 wherein the electrical operating characteristics include
  - 2 the current and voltage at each of the input and the output;
- 1 3. The monitoring system of claim 1, further comprising:
  - 2 a transmitter coupled to the control unit for transmitting data indicative of a functional
  - 3 status of the luminaire;
  - 4 a receiver coupled to the monitor for receiving the data transmitted from the control unit
  - 5 through the transmitter so that the monitor can display the indication of the operative status of
  - 6 the luminaire.
- 1 4. The monitoring system of claim 1 wherein the monitor is operatively coupled to the
  - 2 Internet so that remote access is provided to the monitor.
- 1 5. The monitoring system of claim 1 wherein the control unit acts to control an associated
  - 2 system, that is associated with the luminaire, when the control unit determines that the luminaire
  - 3 is inoperative.
- 1 6. The monitoring system of claim 5 wherein the associated system is a traffic signal.
- 1 7. The monitoring system of claim 5 wherein the associated system is a street light.
- 1 8. The monitoring system of claim 5 wherein the associated system is an automatic teller
  - 2 machine.

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